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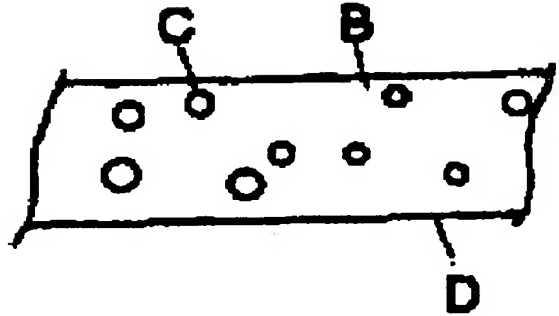
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APPLICANT : MITSUBISHI RAYON CO LTD;

INVENTOR : MURAYAMA YOSHIKI;

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TITLE : TRANSMISSION TYPE SCREEN



ABSTRACT : PROBLEM TO BE SOLVED: To obtain a high resolution and high grade projected image almost free from moire and speckles by forming a light diffusion layer having a specified thickness obtained by dispersing a light diffusion material having a specified refractive index difference between the material and a transparent resin and a specified volume average particle diameter in the transparent resin at a specified concentration.

SOLUTION: The transmission type screen has a light diffusion layer D having 0.3-1.2 mm thickness obtained by dispersing a light diffusion material C having a refractive index difference of ≥ 0.05 between the material C and a transparent resin B and 1-8 μm volume average particle diameter in the transparent resin B at 20-60 g/m² concentration. When the transmission type screen is used as the screen of an LCD projector, acrylic resin having a low index of double refraction, in particular methacrylic resin having high impact resistance is preferably used as the transparent resin B because the resins do not lower the polarizing characteristics of LCD. An inorganic material such as silica, alumina or glass beads or an organic material such as acrylic resin or styrene resin is appropriately selected as the light diffusion material C in the layer D.

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